



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 30, 2016

Colleen M. Snyder
Product Stewardship and Regulatory Affairs
Kemira Chemicals, Inc.
1000 Parkwood Circle, Suite 500
Atlanta, GA 30339

Subject: Amended Reregistration Label
Product Name: AMA-24
EPA Registration Number: 9386-3
Decision Number: 430145

Dear Ms. Snyder:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Dazomet RED, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

NOTE: This product is **not** yet being reregistered under section 4(g) of FIFRA.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF dated 6/22/2012
- Alternate CSF dated 9/19/2014

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment or the next printing of the label, whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label

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constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, you may please contact Emilia Oiguenblik by phone at (703) 347-0199 or via email at Oiguenblik.emilia@epa.gov, or Julie Chao by phone at (703) 308-8735 or via email at Chao.Julie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Chao".

Julie Chao, Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Accepted label

AMA[®]-24

Active Ingredient: Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione	24%
Inert Ingredients:	76%
TOTAL.....	100%

(ANTIMICROBIAL AGENT FOR INDUSTRIAL USE ONLY)

KEEP OUT OF REACH OF CHILDREN
DANGER

First Aid	
If in eyes:	<ul style="list-style-type: none">- Hold eye open and rinse slowly and gently with water for 15–20 minutes.- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.- Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">- Take off contaminated clothing.- Rinse skin immediately with plenty of water for 15–20 minutes.- Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none">- Move person to fresh air- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.- Call a poison control center or doctor for further treatment advice.
If swallowed:	<ul style="list-style-type: none">- Call poison control center or doctor immediately for treatment advice.- Have person sip a glass of water if able to swallow.- Do not induce vomiting unless told to do so by the poison control center or doctor.- Do not give anything by mouth to an unconscious person.
Have product container, label or label information with you when calling a poison control center or doctor or going for treatment.	
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard. The Toxicity Category I classification for primary eye irritation and primary dermal irritation may suggest the use of symptomatic treatment.	
Contact CHEMTREC at 800-424-9300 for emergency medical treatment information. See side panel for additional precautionary statements	

EPA REG. NO. 9386-3

EPA EST. NO. 9386-GA-003

Manufactured By

Kemira

KEMIRA CHEMICALS, INC.
1000 PARKWOOD CIRCLE, SUITE 500
ATLANTA, GA 30339

ACCEPTED

Jun 30, 2016

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 9386-3

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

PAPER MILL SLIME CONTROL: FOR THE CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA: AMA®-24 is added at a point in the system (raw stock chest; beater and/or refiner chest or machine chest-wirepit) where it will be uniformly mixed. Application may be continuous or intermittent for a certain number of hours per day or per shift, depending upon system characteristics. Add 5 to 20 fluid ounces of AMA®-24 per ton of paper produced. **INTERMITTENT FEED METHOD:** Apply 12 to 20 fluid ounces of AMA®-24 per ton (dry basis) of pulp or paper produced for 2 hours every 8 hours. Badly fouled process systems must be cleaned before initial treatment. **CONTINUOUS FEED METHOD:** Apply 5 to 15 fluid ounces of AMA®-24 per ton (dry basis) of pulp or paper produced on a continuous basis. Badly fouled process systems must be cleaned before initial treatment.

OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS: FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA: Determine the total volume of the circulating system. Calculate the number of gallons of AMA®-24 needed to produce a concentration of 2,080 ppm (0.73 lb/bbl) of AMA®-24 in the drilling mud circulating system. For example, 75 gallons of AMA®-24 per 1000 barrels of drilling fluid will produce the proper concentration. For best results, add AMA®-24 in a thin stream to the mud pit while drilling fluid circulates. As the total volume increases due to greater well depth, add additional AMA®-24 to maintain the proper concentration. Because of the wide variation in drilling mud composition and bacterial contamination, greater or lesser amounts of the AMA®-24 may be prescribed.

OIL AND GAS FIELD WATER TREATMENT AND WATER FLOODS: FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA: Calculate the total volume of water to be treated. Using this volume, calculate the number of gallons of AMA®-24 needed to produce a concentration of approximately 2,500 ppm of AMA®-24. For example, 2.15 gallons of AMA®-24 per 1000 gallons of total volume will produce this dilution. 350 ppm of AMA®-24 added each week is recommended to maintain bacterial control. This may be accomplished by adding 0.30 gallons of AMA®-24 to each 1000 gallons of total volume. Because of the wide variation in waters found in the oil fields, greater or lesser amounts of AMA®-24 may be required in a particular location. **Once bacterial controls are established dose 600 ppm (5.00 pounds per 1000 gallons) AMA®-24 weekly to maintain bacterial control.**

***OIL AND GAS PIPELINE AND TANK MAINTENANCE:** For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems. Inject AMA®-24 directly into the water bottom or pipeline, or add to the hydrocarbon phase. Treat once daily for pipeline maintenance to once every one to two months for both storage and transportation systems. AMA®-24 should be applied to achieve 825-2000 ppm in the aqueous phase. Add higher concentrations to the hydrocarbon phase, which will result in longer term protection by gradual diffusion into the water phase. Dose will depend on the volume of crude or oil and the expected water fraction.

FOR THE PRESERVATION OF CLAY SLURRIES, ADHESIVES, COATINGS AND HIGH VISCOSITY SUSPENSIONS: For preservation of slurries and high viscosity suspensions, AMA®-24 should be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. Add AMA®-24 at use levels of 0.04 - 0.11% (400 ppm to 1100 ppm) by weight, based on the total formulation in slurries of starch, clay, calcium carbonate or titanium dioxide; paper coatings; high viscosity suspensions (e.g. polymers, silica-polymer combinations); polyvinyl alcohol/polyvinyl acetate based adhesives; starch based adhesives; dextrin based adhesives. The exact amount of material to be added for the preservation of any given formulation will depend on the components and local storage conditions. Dosage rates should be determined by actual test.

***FOR THE PRESERVATION OF CONSTRUCTION MATERIALS:** For preservation of concrete, concrete admixtures and additives, caulking and caulking compounds, construction adhesives and masonry. AMA®-24 should be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. Add AMA®-24 at use levels of 0.04 - 0.38% (400 ppm to 3800 ppm) by weight, based on the total formulation. The exact amount of material to be added for the preservation of any given formulation will depend on the components and local storage conditions. Dosage rates should be determined by actual test.

RECIRCULATING COOLING WATER SYSTEMS: FOR CONTROL OF ALGAE, FUNGI, AND SLIME-FORMING BACTERIA: Dosages for industrial recirculating cooling water systems will depend on the conditions of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply AMA®-24 to the cleaned system or when growth is first noticed according to the following schedule. **INITIAL DOSAGE:** Apply 3.25 - 6.5 fluid ounces (30-60 ppm) of AMA®-24 per each 1000 gallons of water in the system. This dosage may be as a continuous treatment or applied once, twice or three times weekly, or as required to control the growth of slime forming organisms. **SUBSEQUENT DOSAGE:** When microbial control is evident, add 0.5 - 3.25 fluid ounces (5-30 ppm) of AMA®-24 per 1000 gallons of water in the system as a continuous treatment daily or every 3 days or as required to maintain control.

[*Uses are not registered in California]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through skin or inhaled. Do not breathe vapors. Harmful if swallowed. All handlers must wear protective eyewear: goggles or face shield. Coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear. Chemical-resistant gloves (such as any water proof material Selection Category A). Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and was PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS: User should wash hands before, eating drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately is pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply (or use) in estuarine oil fields where drilling fluids (muds) are discharged in the surface water. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS: Do not use, spill, pour or store near open flame. Incompatible with oxidizing agents. Do not apply this product in a way that will contact workers or others persons, either directly or through drift. Only protected handlers may be in the area during application.

STORAGE AND DISPOSAL

Nonrefillable container. Do not reuse or refill this container.
Do not contaminate water, food, or feed by storage or disposal

STORAGE: Protect from freezing and temperatures in excess of 140°F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LABEL DATE: 20-MAY-16CMS

LOT#: _____

NET WT.: _____ Pounds DENSITY: 9.7 LBS/GAL

**UN3266, CORROSIVE LIQUID, BASIC, INORGANIC,
N.O.S.,(Sodium Hydroxide),8, PGII**